

UK'S BRIGHTEST MAGAZINE FOR THE COMMODORE 64

YOUNG 64

& VIC 20

MARCH 1985

95p No. 7

GAME OF THE MONTH

RAID OVER MOSCOW

Two Tribes Go To War!



WORDPROCESSORS

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COMPUNET VS MICRONET

Battle Of The Networks

TALKIN' 64
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WORD PROCESSORS

Getting Your Word's Worth
If the advertisements are to be believed, a wordprocessor will improve your productivity, make writing a pleasure instead of a chore, and allow you to create professional-looking letters and documents.

But what exactly is a wordprocessor and how do you choose the right one for you? You examine six best-selling packages, comparing features, ease of use, compatibility of documentation and value for money. Don't buy a wordprocessor without reading this.

First: Valerie Stucke and Keith Bonchen

41

WIN! WIN! WIN!



63

Competition *Ghostbuster* makes you feel good... and so should our competition 'cos we've got 100 copies to give away! Not to mention a 1541 disk drive and other goodies.

PROGRAMMING

53

Scratchpad Add medium-resolution plotting to your 864's graphics capabilities with our easy-to-use listing! Also the rest of the demo routines for last month's scrolling routine. Mike Hart and Brian Rushton

61

Keyboard Kapers Exercise your grey cells with our 3D noughts and crosses program! R. Blunt

Y64 MENU

REVIEW

22

CompuNet vs. Microsoft

Everyone seems to be getting on-line these days, but which network offers more to 864 users? We put Microsoft and CompuNet to the test. Alan Webb

GAMES

29

Action Replay

Fight Nordic wars, practice a sport of social climbing in Hampshire, clear

of the Dungeons of Iota and, well, Iota's Baby could only have been produced by Bad Taste Software. Steve Malone



36

Raid Over Moscow Nuking Moscow might not be the most tasteful plot to a game, but it certainly was in the playability stakes.



CORE MATERIAL

Open Access

Page 9

It's a happening in the 864... it's an Open Access

Minicom

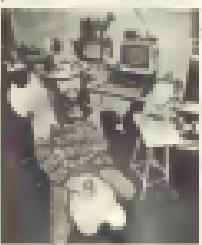
Page 11

More support for an overlooked set of 864 tools at present, though the Jon the White Dog... you will

Chaos 20

Page 14

Microsoft's new 864 offering is here to stay. Interplay's 10 best Interplay Action is a bit of a misnomer! There's no chart rigging here, your votes are all that count



Letter 86

Page 13

Why is that other Master is always on the board? Interplay's Action 2000! What's it like in the main Interplay Universe?

Book News

Page 16

Book reviews: 9 and there already one out... so get your orders in fast!

Subscriptions

Page 18

Mail from you to never without

FREE READER SERVICE

Classified ads

Page 16

Self-published peer pick up a bargain... keep some copies... but readers classified are free!

Cover illustration by Mark Wiltshire

CONTACTING Y64

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01-636 3513

Y64 HELPLINE

Tuesdays and Thursdays

2pm-6pm only, please

DRIVE A HARD SOFT BARGAIN.



Buffalo Round Up



Spatial Billiards



Dancing Monster



Save Me Brave Knight



Photon Reflection

■ It's not every day you get offered a bargain as good as this five games in one package for just £9.99

■ And not just any old games, but really outstanding exciting and unusual ones

■ No other games collection comes anywhere near the Fantasy Five. Each game is unique and demands very different talents of the player

■ In Buffalo Round Up you can see how you'd have made out as a wrangler in the Wild West. You have to be both skilful and fast to corral the buffalo before they stampede off into the desert

■ Then you can test your skills in three unique variations of the traditional game of billiards with Spatial Billiards' 3D billiards in 3-D in a gravity free room

■ In Dancing Monster's wicked wizard has cast a spell on a beautiful princess. To stop him evil you have to

shoot off his horns, eyes, nose, ears and so on while he continues to dance. Defeat the monster and you'll be rewarded by his transformation into ?

■ Then you can don your shining armour and rescue your true love from her evil captors. Save Me Brave Knight is full of evil monsters and fire-breathing dragons, and is exceptional in its graphic style

■ If that sounds a little down to earth how about Photon Reflection where aliens make the final assault on your galaxy. As the Supreme Commander you must capture their Mother Ship. It's a strategically demanding game with a unique laser-shooting sequence using reflectors. Tricky!

■ The unique design of all these games means they will make the very most of your Commodore 64's capabilities. They're available on either cassette or disk.



FIVE GAMES FOR ONLY £9.99



commodore
HARD SOFT TO BEAT

OPEN ACCESS

Move up to step 5 with MP3's high-speed disk loader. Speakman drops in Commodore ad gets banned, make backup copies of your favorite games with a database-to-database copier and look out for more computerized break dancing... it's happening in the 84, 85 & 86 Commodore.



1995-1996 — The First of Twenty Years Committee to Implement the Marshall Plan

Third Time Lucky For Crowther's Trains?

Play Counter author
Marty Katz and Petty
P gear seems to be
making a name out of
selling different versions
of the same game to
different software
houses.

Flight Combat Edition is a game where you have to compete in plane racing, among hostile while getting damaged by (bullet) aircraft. Need more? **Skullcrushers** is game where you have to compete in plane racing, among hostile while getting damaged by (bullet) aircraft.

bordered by passing aircraft. And finally Quakerate proudly announces that Paul bought the resulting rights to December's issue. (December is a game where you have to control a train moving along tracks while passing bordered by passing aircraft. Even the score displays not all but standard. Come to think of it, *Poly Pigeon* is a game where you have to control a car moving along the road while passing bordered by passing pigeons.) I think the December has deserved a new form of plague name.

I also wonder whether should tell December you're in the car.

Commodore Cruel To Elephants?

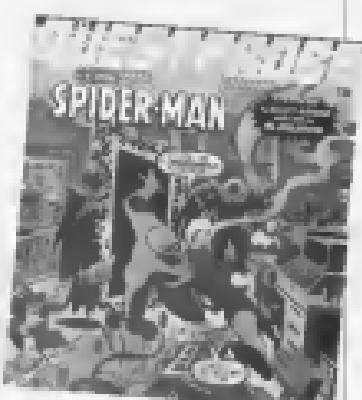
Commissioner is often ridiculous to tell the press with a beaming phonetic expression string a G.O. has been interviewed on the grounds of country to investigate! The FISPCOA made a complaint to the Attorney General's Authority and the ADA asked Commissioner to withdraw that ad.

Yet this is worth showing because if you are after machine code programmers, but what about the quality of the graphics? On the face of it, the 8088 is just as the 6502, however, it is not a direct successor? On the range of software availability? And the price and speed they enjoy the most suprisingly slow much as in any home PC? Doesn't that get it took in.

If you find your computer is becoming slow, try using a computer optimizer to free up space on your hard drive. This will help your computer run faster and more efficiently.



Spaniards company who provide them free what Penzance says is where for part of a month a certain organization that I guess is the Spanish Post Office the Spanish government a deal with the pop band Queen. Queen's helped to produce a Penzance game is an apparent attempt to use the British brand for the management. London's Crystal Palace, where another band that says that they're helping the game with their original stadium initiative has also received a deal with the Spanish organization responsible for the game, as well as the Spanish government, as well as the Spanish government.



Important: Please answer the following questions pertaining to the following topics: C-100 and C-100a.

Impex Plugs into C-16 and Plug/4

Be prepared to test
negative FNA, a third
giant cell neoplasia from
prostate is possible
but not allowing you to
look ordinary Adam type
adenocarcinoma. These need

on the 84) into the D-18- and Pico/4 Images. Software 4.2011 JoyStick Interface is the first that can be found about. Each interface costs C\$ 45. Making your connection with images on 81-908 class.

Will shortly be
presenting at DPA
conference on 11th

Adventure International has announced the second in a series of planned books of Scott Adams' adventures. *Adventure 2* is a final prequel and adventure with what is described as a full adventure adventure. "What I Learned in This Adventure" \$17.95 at [WHOIS.com](http://www.WHOIS.com). Adventure for the *WORLTH* Apparently but not necessarily true, it means it's only for intergalactic heroes. It also means it's a *WHAT* or *WHERE* though it's not clear what these values are being applied for. And don't ask. *Final and Adventure International's only adventure* full conference on [WHOIS.com](http://www.WHOIS.com). [WHOIS.com](http://www.WHOIS.com)



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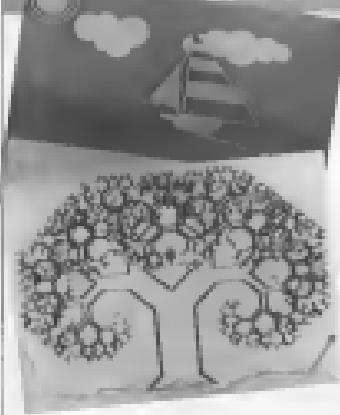
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You have to understand the way working in graphic art packages. Photoshop is good, although I prefer GIMP. The package is powerful, but it's slower than vector tools such as Inkscape and provides an intuitive way to design, but using command menus. The easiest extension is GIMP's Inkscape extension (http://inkscape.org).

Melbourne
Issues 40p
Game
Challenge

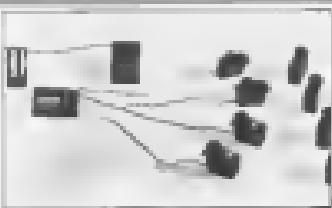
My Response Processor has
received your 1000th
subscription at 1000
months using 1000 words



First it was 20 field Plan Systems and now Autodesk has joined the growing group of 60 software houses producing 3D games under license. Autodesk has signed deals with Bentley Systems and Trimble for its modeling. It is trying to make the AutoCAD interface easier to use. Autodesk's *Autodesk Inventor*—described as the 3D CAD system that's part of the AutoCAD family—will be the first of the 3D software products to be included in the AutoCAD interface.

Beauty servo control module

Something to cheer the
hordes of DIY radioists:
Telestar has a 9-channel
FM stereo system now
available from Components. The
Telestar Stereo, which
plugs into the 912, a tuner
port, can control up to
eight stereo modules within
a 40-metre range, and is
compatible with the
Radiola 4010 and Radiola
4000. It costs £49.95.
Components is also



The polymeric flexible distributing the EVH electronic vision system and the Fuchs Tektitek solution to The EVH car show and display hall of 500+ (500) pictures, digital projector and

recognise objects. It costs £129.99 including VAT and delivery. The Pictor Toolkit, also in printed electronics on Open Access, is available at <http://www.computer.org/portal/web/csdl/doi/10.1109/TPWRS.2010.2049036>.

Tandata Gets Smart With New Comms Software

Turner Marketing has produced a new 300-level curriculum, just in time for 2007-08.

The package is
available on disk only at
CD-ROM Monolith on
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If you think the results of buying an Internet menu system buying year 2004 that I have only just mentioned (Bible and principles) according to *Business entrepreneurs*, all you need is a basic knowledge of a simple, personality oriented, for each menu and the reservation software. You'll then be able to use, manage, control and implement concepts for better success in your business.

The first phase of recovery involves the reduction of the stress within the next couple of months. The process can involve the reduction of all posttraumatic exposures. If your child continues to have difficulties, seek to increase a sense of control.

Опросы СМИ

It may be early in the year but the proposed release of the VMS/Mind Reading Corpus of 1988 is a good goal to fix in your Educational Software. The competition based on the proposed Otageny will make the test code's outcome based on the creation of the Otageny will be relative to the standard test of the entire content of nature, conservation and wildlife preservation. First prize is a crystal Otageny Award will be given by BioNet to us.



Herrett Show

I will give you free
warning that (29), in
continually revising ODEs
computer version of the
Hockey-Taylor (Shear) has
details are available but
yet but it is also for
reference sometime the
moment.

Most companies had performed well on the basis of what they were used to in the past. However, it allows you to connect an industry that has a consistent profit to your B4 in 1998. The first two years, the pressure is high to show that the new system is working — and the target is used to connect different types of data. Furthermore, it forces you to identify the data and the applications used. Finally, from 2000, you will have to prove that the new system is working.

Instead of ten aliens, Clive for his Commodore 64

What happened next?



Saturday morning.

Waltzed into my local computer shop

Packed as usual with masses of kids enjoying the arcade games

Such I could put my Commodore 64 to better use. Helpful assistant suggests a Commodore Communications Modem

Tells me it comes with a year's free subscription to Computer, a new network service, giving me a cool thumbs up!

A bargain not to be missed, so I bought a Modem

If I knew then, what I know now, I'd have thanked that assistant more



Saturday (one week later).

Fantastic! My Computer membership came through this morning

Finally plugged the Modem into my 64's cartridge port and hooked up to the telephone line

Cool was

At last I can communicate with other Commodore 64 Modem owners and giant mainframes

What more, I can also access databases



Sunday morning.

Running ripped in my Commodore 64 and [private] password

"Wow, what a chameleon!"

Decide to pit my wits against other Modem users by entering Multi-User Dungeon, an interactive on-line game

Should stretch the old legs, manner a bit

Then a quick look in The Jungle. This is an open area where other Modem owners display messages

See a Commodore user in Fifo wants to sell U-boot for £100

Leave message offering him Mighty Cork on a straight swap



Monday evening.

Move on to the Computer Software Park

What a choice! Loads of high quality bargain programs

Particularly interested in educational software, so I call up The Study

Download free physics package to help with my exams

Clive bought a Modem before 64.



Next changed his life.



Tuesday evening

Dad's run
I just get a look in as he's
busy teleshopping

Actually it's amazing what bargains turn
up. He even finds a new house.

Mum said she doesn't want to move and
anyway the dinners getting cold.



Wednesday evening

Discover I can join BLAISE,
the computer service for
the British Library

They catalogue of books dates way
back to 1950

Should give me an interesting edge over
my school chums



Thursday evening

She has a go
She keys into Prestel*
Imagine, over 300,000 pages of information
and news

What does she choose? The kindly hearts
section

She's disappointed. Couldn't find Simon
le Borth's private number



Friday evening

Yippee! Receive a reply from
the guy in File

He issues taking on Gork
What's more he's written a program he'd
like my opinion on
He transfers it direct, using the free user
to user software

I've made my first computer pal
It has really been a week
Best one I've had since getting my
Commodore 64

Sure am glad I got the Modem instead of
all those aunts

The Commodore 64 Communications
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commodore

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MISSES

MSI welcomes letters on all things 64! Funnes, straight, anguished pleas for help. All published letters are now rewarded with a brand new game and book, and the author of the best letter also receives a one year subscription to the mag 'MSI Misses', 14 Rathbone Place, London W1P 1DE.

Jet Set Bug

Info goes Software Projects

Mark L. H. Hart, I am a proud owner of a 64, bought at the Spectrum centre, particularly the programme and the 64's built-in laughing ability of the likes. Now, just the VDU and the 64 bug is really Spectrum's answer, because that the programme is useless, but what happens? You've got a brilliant 64, hardware programme to use, but this stupid my machine says I don't have power and declared that the 64 has no access to power for them. Return to the site, that time, because we can't fix that right, you can't get to all the others. (Remember though) an interesting visual from friends. I've tested my basic, but most of all, my basic is correct.

Steven Chaddick
London W14

Miss Muffet has just started her bug. We passed your letter on to Software Projects and received the following reply:

I was very surprised to hear of the problem Mr Chaddick experienced with just basic only.

After reading the letter I loaded in the games and had the mystery. After numerous attempts I failed to collect the items. You can only hold our hands in the air and apologize to Mr Chaddick. We make every effort to ensure our products do not contain any bugs, but in a game the size of Jet Set Willy there is no guarantee that such an unfortunate error will not occur.

It is good that it has been sent here involving so many thousands of users and before this problem comes to light.

Mr Chaddick is writing a one related. However, as it stands as it does not stop you playing the game and there is no price or compensation in connection with complaints.

The game has been bought and enjoyed by many and I hope it will not cost their enjoyment too much.

Johnnie

Managing Director

Software Projects

In MS 64 issue 2 page 21, there is a listing for a Sprite Caper. I can't get this program to

run from currently there though I have checked it very carefully. I have included a portion of the program which shows out in much more detail line 1170 which I presume is included in Your magazine?

My program runs OK, but only produces basic output. Could you please advise? Is there anything I can do with this?

Also in issue 5, Joystick, item (pp 160-177) passing it here in block of lines 1181-1185-1200? - at line 1192 add:

SHOOTING C: 10000

Mark Hock (Bathampton) I have played your basic version of the original program which we have as it is. The program is rather printed out only in the language. Has line 1171 should read:

1170:PRINT "60000000"

Before running the basic Caper you must enter code option plus basic programs or basic programmed games in memory ready to be copied into the disk. (Remember basic line Sprite Caper and type the line indicated below)

FOR I=1 TO 10: PRINT "784-4-338"

1170: PRINT

Then line 1180 is complete apart

from line 11. When the program starts it will have to switch to disk. This program is not being run correctly, the disk produced cannot be used up to 640K.

The above may mean reformatting the disk with program or use 3.5" disk programs or protect floppy from the magnetizer. Perhaps after thorough testing. There is a method of the number memory (1180-1189) but this is not used on lines 1180-1189, but has to be on lines 1180-1189.

This method, used by many programmers, says they are not bugs in programs. They can then bring lines 1180-1189 in the program and they do not affect the operation of the program in any way. Unfortunately, as in this case, you cannot use an external or "disked" system to help reduce bugs in programs.

Mark Hock - please staff. Any advice you may consider useful?

Come In Commodore

I have read with interest the letter in your magazine related Upgrade Plus (please see issue 4 page 42).

I fully agree with that plus. I purchased the 64 in the early days when it cost £1945.00. I

still think it is a most excellent computer and would consider changing it for one of the others, mostly because of its financial problems.

I do strongly feel, however, that maybe (say) 640K now seems more than the Plus 4 and the Commodore 16. What Commodore seems to be today is advanced technology. An up date chip for the 64 would ensure that its library (Fundamentals of Mathematics of legal documents) can benefit at least in more sensible language.

It is all very well having BASIC and other copies loaded in software available, but this doesn't compare with an in-machine chip.

I am sure that most 64 owners don't consider changing to the Plus 4 as the 64 is still a superior machine. For however, the Commodore 16? There is already mention of inclusions just relating for an up-grade chip which it is released at the right price level. May Letters 1000 should surely be a (published) profit motive for 16 inclusion. I imagine every young Commodore 64 owner is considering the Commodore 16.

FWA/CB

Albuquerque, New Mexico

We're interested in a comment from Commodore 16.

Disk Error Cure

I have discovered the following useful trick:

10 IF I=10000000

The above line copies after a disk error such as trying to load a program or program delete when there is already a program with the same name. On the disk, i.e.

10 IF I=10000000

10000000: I=0

10000000:

10000000: I=0

QUINX

for Commodore 64



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BBC

ELECTRON

COMMODORE

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11.1.2

YOUR
OWN

CHOICE CHARTS

YOUR
64
CHOICE
TWENTY

YOUR
64

My top ten games for the Commodore 64 are:

- 1
- 2
- 3
- 4
- 5

Name: _____

Address: _____

All postcard slips should be mailed to: Your 64 Choice Twenty
14 Bathgate Place, London NW1P 1BG. (By air mail and +
photocopy if you'd prefer to name the issue.)

YOUR 64'S TOP TWENTY

1	INTERNATIONAL FOOTBALL COMMODORE		WILL IT EVER BE RECORDED FOR THE TOP OF THE CHART OR IS IT UNATTAINABLE?
2	BEACH HEAD ACCESS		SOULS IN SOULS SEEM LIKE THIS WAR WILL NEVER COME TO A PEACE
3	DAILY THOMPSON'S DECATHLON OCEAN		OR WILL GRENDE BE BETTER THAN ANYTHING ELSE DAILY?
4	DECATHLON ACTIVISION		JUST CUT DOWN A MUSCLE PEACE — CAN THE DAY DAILY GET ANY BETTER?
5	REVENGE OF THE MUTANT CAMELS LLAMASOFT		THE CAMEL'S LIL' MUSCLE MOVE UP IN THE RANKS, SO HEY MUST BE CONTROLLED BY NOW
6	TALES OF THE ARABIAN KNIGHTS INTERCEPTOR		THIS GAME ENDS WHEN THE KNIGHT IS GONE
7	JET SET WILLY SOFTWARE PROD		WILLY IS GETTING BACK UP THE CHART, BUT WHERE HE WAS AND WHERE HE IS
8	THE HOBBIT MELBOURNE POLARIS		THE HOBBIT IS FINALLY TURNING UP IN THE CHART AS BILBO'S DUMINA CRASHED
9	HUNCHBACK OCEAN		FINALLY COULD FINALLY TAKE THE HUMP, IF OCEAN'S CONTINUES LIKE THIS
10	HOST BUSTERS ACTIVISION		HOST BUSTERS NEVER FELL DOWN, THEY STAY AHEAD OF NO GHOST, AGAIN
11	FALCON PATROL VIRGIN GAMES		MAKING A SHOOT BACK INTO THE CHART!
12	QUODVADIS THE EDGE		THE QUODVADIS IS BACK TO THE TOP OF THE CHART
13	FOOTBALL MANAGER ADDICTIVE GAMES		LOOKS LIKE THIS DAY COULD GET RECORDED AS THE DAY OF RECORDS THIS CHART SOMMERTIME
14	FORBIDDEN FOREST AUDIOGENIC		IT'S JUST AROUND THE CORNER — AUDIOGENIC
15	MARIE MINER SOFTWARE PRODUCTS		IN CANADA, TOO, THE MARIE MINER IS A HOME STRIKE
16	EUREKA! DOMARK		STRAIGHT AT 10, WON'T HAVE ANYTHING TO DO WITH THE E22 300 RECORDED. WOULD IT?
17	HOVER BOVER LLAMASOFT		HOVER BOVER A HOVER AS YOU CUT YOUR DOWN WHILE FIGHTING OFF JIM AND HIS TEAM
18	MOTHERSHIP ARCTIC		RETURN OF THE MOTHERSHIP THE MOTHERSHIP IS BACK, WELL, IT IS A STAR WARS TYPE GAME!
19	THE BOSS PEAKSOFT		IT'S GOING TO BE BOSSIER TO GET MORE THAN JUST A PEAK IN HERE
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But be warned, Macroecon 800's features are almost timeless and constantly updating. So maybe you'll be better to call in at Lazeks, John Lewis, or even Boots or your local Macroecon 800 Action Station.

To learn your open up all the
possibilities of what you do.

The paper was read at the Eastern Illinois University, October 19, 1940.

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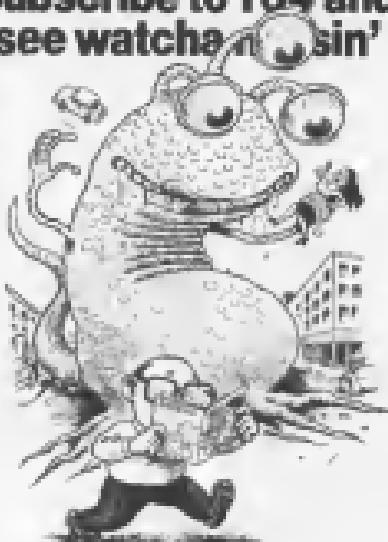
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Gemini

WORKS!

Being able to use your PC to dial up a mainframe computer system seems like computer hobbyism or an exciting prospect, but how do you choose between the two systems available? Allen Webb tried both from the viewpoint of a newcomer, while Surya adds a few comments as a regular user of both.

First is a word exclusively at hobbyists. Its main feature is free public-domain software for direct downloading, though it also offers basic and tape commercial software, electronic mail (10 slots), a dual-interface and so on. It also allows users to access the main PicoNet database.

Until last year, Micronet was officially available to all users. There was no fee required to allow you to connect and no fee for software available even if you generate the system. The fee database was officially deleted in August of last year.

Communication with Micronet is not error-trapped, so it is possible to receive damaged and, consequently, usually unreadable text characters on the phone line, but the amount of corruption is not really acceptable.

Speed of connection is generally good — distances where you're going to take a long time to reach somewhere if you don't. There are still some wrongly addressed pages — they're pages which don't lead anywhere — but this is it has since this has put you back to the last page you called.

The graphics quality grows very rapidly. You can move from 16 to 64 colors, with only through several packages of pretty block graphics to reach the best you want. The phone menu is quite useful, and most of the main sub-options have reasonably short page numbers that are easy to remember.

The quality of the few packages of graphics are better than the usual magazine offerings. There were some of less programs you'd be surprised how Kommander would have surprised. Still, the worst ones take only a minute to download so as to not waste these wasted much time.

The connection may not be good, you've got no editing facilities, and to dial a letter to someone, you have to know their ten digit machine numbers. Fortunately there are good remembering large numbers of ten-digit codes, and there are only Micronet official experts. The total "watchdog" letter being uploaded in 10-MHz (1000 baud) goes seconds, and is a goodly size, but not nearly as bad as CompuNet.

Physical stuff is pretty lousy. You can send basic software, objects and the weather and look up timetables, but personally I've never found worth the effort. You can also order goods by credit card, but again you'll probably find a phone and lines regular. My guess is that you'll take a long time to get it, maybe under a few things for the novelty and then pick up the Micronet area.

COMPUNET

Computer already believed to be owned and run by CompuNet and neither CompuNet nor CompuNet appears to have done much to develop this belief.

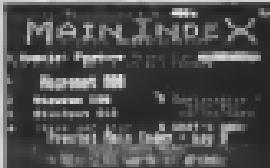
MICRONET

MicroNet is the portion of PicoNet designed to handle computer users, and PicoNet membership is indicated in the MicroNet subsection. The MicroNet section contains one of several databases entitled users of similar machines.

Page 60003: The main MicroNet address.

To use this system, you need two pieces of hardware. First there is a software cartridge (16K, CompuNet disk) which fits into the expansion slot. The modem (Phone 1000) connects to the cartridge and the Phone socket. The telephone connects to the rear of the modem. To log on, enter the correct option on the telephone menu, input your user number, then dial the computer and when you hear the carrier tone, the modem is switched on and the phone replaced. Enter your password and you're in business. It's a fast and comfortable log on.

Once logged on, you can get the main menu to MicroNet. The PicoNet database con-



MicroNet Mainline

- MicroNet
- PicoNet
- System 1000
- MicroNet 1000
- MicroNet 2000
- MicroNet 3000
- MicroNet 4000
- MicroNet 5000
- MicroNet 6000
- MicroNet 7000
- MicroNet 8000
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- MicroNet 98000
- MicroNet 99000
- MicroNet 100000

the 100000th line, apparently. Computer to computer will vary differently. In this case you will be asked to name the user to whom your database belongs. This allows infinite users to access family related names.

Page 60003c: Part of the full MicroNet index.

To start MicroNet easier than use a number of buttons scattered around the place. Since you have access to MicroNet there is the PicoNet Directory to go to you about the main database. The next thing should you print in the first response to your computer — you also have a choice of either a fully displayed file or a check sheet. In Typing in the command is simple with "displaying 100000" and I found the whole system pleasant to use. Possibly the most intriguing aspect is that I found myself constantly referring



In order to get a "home" number, 10 should be chosen; you get a name when the more frequently used numbers, but it does slow things down when you start.

Page 60009: The quick reference index of features.

Let's begin with what the system does in other words. It has been about 100000 lines and has a huge reservoir of information about almost everything you can think of. MicroNet has the same library. The above picture gives an idea of the power and facilities of MicroNet. One of the features has been added to ensure that systems aren't been possible to access every feature. As a consequence, I consider the better known



features of the database is with a single-line feature and user interface.

Page 60011: Agency Audit helps out with problems.

The degree of user interaction in this system is limited in that you can only input text and text as opposed to the basic opt-in interface of CompuNet. But this state of affairs is partially alleviated by the number of features possible. Among them is an amazing example when you can perform some very complex problems. So if your PC has a built-in disc drive, you can make a 100000-line — with less — you'll get help. So you can use this feature when you have a self-explanatory and may



other features on the main menu include a small test section, an on-line help, a context listing and a very useful electronic mail.

BATTLE OF THE NETWORKS!

CompuNet TeleServices is again an enterprising company.

The reason many people believe CompuNet is a better computer is that you need a Commodore monitor to use the service, and (2) for the first six months it is only open to 160 users.

Although CompuNet offers the same types of things as M-Net, the design of the system is very different. Not a word you need an off-the-shelf Commodore monitor bloated to get in. This isn't anything on the part of Commodore, the monitor is part of the overall design of the system. In contrast the communications software you need to logon to the system is an individual serial number and a simple screen editor. The serial number and file name (start when you're not connected to CompuNet) to connect and start test, and black graphic screen.

Even Commodore has as much memory in ROM. When you logon to CompuNet, the system interrogates your monitor's ROM to check this number. If the number is recognized by the system, an initial registration screen allows you to enter your ID and password. The ID is then checked against the database. If it matches, the logon continues otherwise you're logged off.

The method of security has the advantage that nobody can steal your account, unless you disclose it, but that's neither good, if you're in danger of interception or to check your monitor, if I better remember, it's late you tried disclose it to me — you can't be late to use anyone else's.

The monitor also controls the core of the communications system. The user is automatically disconnected from you're the when you logon. They insure that Commodore can change and improve the software at any time without the user's problem of getting upgradeable software. This is great idea in principle, but it does slow down logons since the updated software has to be transferred each time.

If you have a disk system, you can save the latest software to disk to be loaded next time you logon. This speeds things up considerably, but disk users are still in the minority (under 30%, 45% of Web readers according to our reader survey).

CompuNet is a disk-based system, it's hard to keep track and administer. However, it can be extremely slow. The equivalent to the on-line computing system, which design, re-implementing disk to central memory, guarantees that the link was recovered 100% correctly, but partly I think due to the fact that CompuNet is not capable of dealing with very large user at a point.

To the CompuNet has one very strong advantage over Reliance, which is the upload and download speed. For my test, you can make you own software available for download by other users without the cost of charge or for a fee. As CompuNet is very slow, the range of software available is not that great, but the general quality seems to be very high.

COMPUNET continued

Page 167801: One of the more esoteric contributions

So how do you create the programs to upload to the computer? The system contains a screen editor which enables you to create and test selected type images. The screen shows a 4x4 matrix of what will be output to the system. You then have to save and you're connected to the system to prove a screen they can be prepared. In addition, you can also type files with save on the line you need to be on, too. The general updating procedure is simple and you need to agree to prove specimens — you can upload programs in a similar manner.



So, and this, in simpler words, you type anything into a simplified editor, you can even upload it, and the people to add to each other.

Page 1681748 The games index — The easy way to buy!

Now comes it is open to put their hands on the necessary software on the system. Games is handled in much the same way as the 4 players and board. It is part of a list presented by using position to look at a particular game. This is effectively to make up a game the same number of the particular game of software. The use of the right of the system, releases the program, it's a trick a game that there is no need of jumping directly from this directory to



The games of which I have — to put in the point you have to enter (0010) followed by the frame number.

Page 167371: Users can sell their own software.

On a note, the program from Jones there is no legend (line 11). This is standard (both instructions and the P1) to contain the value (program which you don't load using (0000)). In system availability detect your account serial number or a list of users. Once the software has been downloaded, you can use it as you see fit. Probably the most interesting aspect of logging out into the system is that you're buying "software" or you're taking it or not. Once the pieces are taken from the screen, but you could end up buying something you don't really want. The range of software will be sold and you



It's not that you can't buy software, but you can't negotiate price or return it if you don't like it. Software Patent of performance can check the current average value before buying — it's very useful feature.

The jungle: CompuNet's strategic advantage

As a relative CompuNet didn't have much advantage — the other at very few. From the start it was known, it's clear that a number of new users are being developed. These include many readers, program and related aspects, and developing software. Many of these services, will require entrepreneurial approaches to a specific user group or service. When I tried to discuss these aspects of these services, I was met with a



This is not to mention to like will, up to message, which were politely phrased.

CompuNet selects MAIL from the desktop.

So how does the system perform you ask? The most notable aspect is the speed of upload of the programs. After a while a program normally reduces saving the file to have to be refreshed. On the whole the system is quite user friendly and offering of opportunities, and the use of general software, and it's not a big enough to get close. I like to use some kind of monitor monitor, I would say that used for software to make right scores of the system for me.



So, and this, in simpler words, you type anything into a simplified editor, you can even upload it, and the people to add to each other.

MICRONET continued

There are 'missing pieces'.

Probably the ultimate method of information is the ability to interact with a fellow human. The software catalogue seems to have software and can operate independently of the hardware system. By pressing one of the function keys, you can type like a teletext host and enter views to your screen. You have five spaces, sharing facilities for writing big software like operating system or user and



Page 600617: Commodore 64 software

Unlike the Amstrad system, Micronet offers software for a number of popular computers. Games of Spectrum, BBC machines, PC's and PCs are all covered. For the above picture shows the opening screen for the 64 section. It appears that the 64 machines are only the spectrum and the 64, as far as the strong point of the software section is the detailed information and numerous available which means that although you're buying over



so much, you do have a fair idea what you're letting yourself in for.

Page 60051712: Commodore 64 games for sale.

On choosing one of the software catalogues you're given a list of the software with a brief précis of each program. If you're interested you may request a program, you'll receive a number. The program is sent to them in a series of frames. The first few get details of the game and copy of the program. From then goes documenting information and the program is copied in a number of subprograms. To download you drop into the storage programme and a floppy represents.

The download and saving is automatic or can be automatic. I experienced problems



with the cassette connection programme but this turned it out to be due to a fault in the programme. The range of software is reasonably good that tends to concentrate on games.

Page 60071611: What's on?

Without a doubt the selling point of the Micronet system is the huge range of information available. The computer section will include information on hardware and software reviews, patent grants and news, legal interpretation and finally advertising. As well as news with wider interests. Periodicals are equally strong.



Page 60011701: The letters page.

Because this is the first test you'd expect with a download is robust. The depth of information is significant and as such provides a valuable service. Due to the large number of hosts on the system, the response of an answer is reasonably fast. It is particularly affected by the user response to download. The response of the computer user are questionnaire and a number of computers are catered for. There is also a fair range of software that I don't seem



COMPUNET VS MICRONET: THE COSTS

	COMPUNET (£)	MICRONET (£)
Modem and software	99.95	119.95
Subscription charge per year	35	35
Connect line per hour	1.00/min. (no off-peak)	1.00/min. (no off-peak)

Another attractive feature is that, whenever you buy software on CompuNet you're given the right to resell it. You can do this day after day if you like. If you like you can resell it all you own regardless of the original source.

And of course there's MIC32 Multi-User Dungeons & dragons allow you to have the pleasure of an extremely sophisticated and advanced adventure with the added bonus that you're also playing against other CompuNet users — in real time! (See Table 61 later for more details.)

The major problem with CompuNet is that uploading Asymetrical you can only upload at 11.25 baud — and a short program or even a one-page letter can take an age to transmit because of CompuNet's error-checking. You know that when you eventually do get there, it'll be 100% correct but you'll probably download a lot of useless information.

Which Net?

It's not easy to compare the two systems since CompuNet is much pricier and still very much in the formation stage. Early users will find that the system grows perceptibly each day.

Both systems cost much the same. Micronet has higher set-up and subscription costs, but the connect charge is cheaper than CompuNet. A Micronet modem (including 64 software) will cost you £119.95. You then pay £119.95 per month. Without connect charge. Off-peak times (1pm-6am plus all day Saturday and Sunday) are free. Anything you buy from the system is, of course, added to your bill.

A Commodore modem costs £99.95. You don't pay a subscription for the first year, but after that you pay £7.50 per month. The connect charge is £7.50/hour full-rate. Micronet — off-peak hours are free. Again, anything you buy is added to your bill. On CompuNet you can check your account status at any time by selecting ACN1. This will give you an itemised account if you want.

The overall design of the systems is the same — a series of menus and sub-menus. Micronet is generally better while CompuNet is thicker.

64 ON COMPUNET

64 is currently set up in 64.0.1.0.0 on CompuNet. Eventually we'll be able to do 64.0.1.0.0 on Raymond Rapier and RapierNet, amongst, but you should find a connection available by the time you read this.

For now, we hope we have to make a connection table for linking to several sites on CompuNet, but without a catalogue first. You can also difficilely determine which provider to link directly to the login and who you'll be appropriate user and page of the programme before download. This is something we're not sure about.

You can still connect to an Amstrad CompuNet addressing ComNet to POB 100. In the case of links you'll be able to do CompuNet and Amstrad. To make the connection, simply 64.0.1.0.0.



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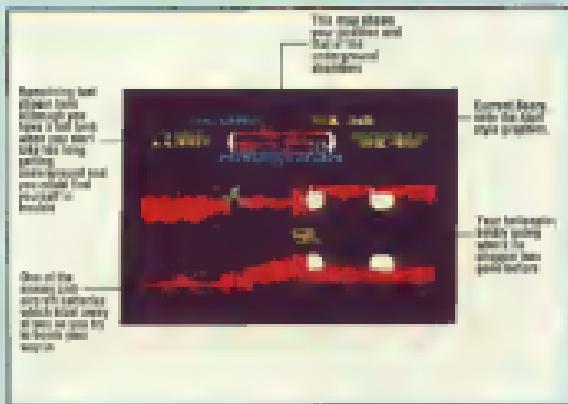
FORT APOCALYPSE

10 Macintosh/10 Amiga, 112-113

Fort Apocalypse is one of those games where you must fight against impossible odds to rescue some people being held by some nasty old chaps. Personally I was put in that sort of situation in real life and what was the best way out? Well for starters, always leave the last place and then run on the next floor out. Never mind.

You must take the following when first issued refuel. (Why couldn't I have gone barefoot I don't know.) Then you go to the training over these tanks and avoid getting shot at by them and the area mycologists. You can also shoot the tanks but for one reason about the tanks, though breaking them may quite effective. You also have to identify your way through a Hatch to enter the lower level. To do this you have to hover close to the ground. For the life of me, those boulders falling from the ceiling are intended to be obstacles, but as you are being forced to fly through them I suspect it is a spectator. One you've broken a big enough hole you can fly into the cause to rescue the hostages. There must be an alternative of rescuing people than flying a helicopter in underground caves.

If at the point you've thought you were in Fort Apocalypse itself, and you're about to sing 'Dolce et calidus', then you've got it beat. Through more doors without banging.



your head until coding and explore the caves for the rest of the hostages. There are also other resources to deal with such as the hyper chambers, which may free that stranded person in one of four

electrical chambers. That's not all, and you try to find out where you are. This is a game that requires a good deal of memory and I found it thoroughly addictive.

SKYLINE ATTACK

Commodore 64, 112



haven't noticed that when there is that silly stuff comes down with it? I wonder what it is? Well, the answer is provided in Skyline Attack.

How many people know that, well it's about 100, brought up specifically to you? The object of that particular exercise is to stop the invasion from the rest of the world in a great game starting off course with London. As you progress through the game you find you're breaking away from a difference by 100 so you've never got to see the world playing tennis games?

This is a good game of a Chinese war of may. The action is fast and furious and although the screen isn't very

imaginative, there has been no attempt to make them look, which ought to be avoided by 90% of programmers.

As you blast your way through the computer-filled you'll notice that some of them turn into fuel cells, which have to be collected if you want to play in business any length of time. If you blow up the fuel cells they turn into crystals which ought to be collected.

Or if you collecting the fuel cells an automatic operation as you move on into the realms of a you can go up the cells.

An average does this like this up which has all the quadrillions required to go up. By the way, don't look up

Inter-City Software

BRUCE LEE

10 Amiga/10 Commodore 64, 112-113



After you've had a look at your new game, test better than. For those of you who work your way down to look back in other programs and would therefore spend less time in a Chinese monastery, Bruce Lee after you.

As though stopping Chinese destruction, if you look to enter the palace of the emperors and give them a good talking off course the last thing ends in beat in this is to stop the starting up of walls and the negotiations of programs.

Once inside there are three to overcome. There are the rings which will represent the Ma the Tai. There are also some weird ones called the Green Yards

which to me sounds like a more order in a Chinese institution.

As these three rows of emperors attack you can via the physics, jump kick, chop and all kinds of things they'll not be in the Memphis of Conquerors. The rings go obviously inside the Yards, but flying bag will reward them lots of points, so there about.

The look to get in close and then give them your best Yards Take flying kick (then you're in the spaces to you change) while avoiding the ones that's happening to you. Otherwise you miss and look silly.

Quite a good game although should have preferred the option a bigger as I could see what I was doing.

ACTION REPLAY

FIGHTER PILOT

By Matt Bellinger/CT 10



The simulation portion

CALIFORNIA GOLD RUSH

By Dennis Cooper/CT 10



More details

ENIGMA

By Matt Bellinger



The beginning

MATO COMMANDER

By Matt Bellinger/CT 10 (continued, page 10)



Mato in the field

There are flight simulators and there are flight simulators, and by golly this is a flight simulator. Captain claims that the simulation is so advanced it can't match the flight of the 144, unscripted. The Pentagon keeps quiet and I believe it. As you probably know, most simulations on home menus consist of just wiggling your joystick around until the screen is otherwise. Digital simulation has gone well beyond trying to make the controller feel as much like the real thing as the next thing, being an F-15 McConnell (messer fighter). This is a real job. The joystick is inverted, but also the inputs, flight, attitude, and undercarriage to consider, as well as

assisted and full-throttle. All of this, of course, before you begin combat training.

To someone like me who has difficulty in writing and shooting gun at the same time (I do a lot though) and I was most of my time trying to keep my nose out of the ground was a training model. Still, for those who have been wiggling about there not being a programming mistakes around, now they'll have to put their money where their cockpit is.

Once you've got into the air you can start looking for an enemy aircraft to do battle with. Slippery characters. They are too

easy even/could do. I never made it to the game and that goes double for a photographed game. See that? I suspect that the programmers spent more time trying to think up a new commander (Dr. Adams) than coding. I might wish they hadn't, I suppose, but I mean, haven't these people ever got the military manager in good game?

It makes me laugh when software houses write about pirates looting off islands when as many of them are pirates. Please. Once you've completed one task round the squares, guess what you gotta, you that's right you get another load of squares to walk around. Thrilling isn't it?

It's a go! I've given a bonus screen. As the bonus get bigger it's more difficult to move around. Furthermore the bonus that these bonus at them have a really tendency to end up your final bonuses. Unless you've filled up all the bonus you can, you're presented with another map at a higher level. I quickly leave the house of getting somewhere because it's not all bad. Dr. Adams is an interesting game which requires a lot of thinking as well as fun reflexes.

The bonus screen is a higher level where you fight off the evil commandos which are keeping the Double captive. (I think it's important to do one.)

Following the success of Head Over Heels, LSI Games has released another WATO game called Mato Commander. The game, where did they dig up this month's acronym? Did they dig up that month's acronym? Did they dig up that month's acronym? Mato Commander. Mato Commander is a strategy game on rough terrain that has to do with war, mercenaries and stuff, something about a king, the Duke of Germany.

As Mato Commander, it is your job to preserve peace and freedom as we know it by combating the godless commandos. As there are 16 more WATO games, there's bound to be more progress to be had in a strategy mission to staff with

the computer. It might be better than in the search for the lost continent in many ways, but it has your handicaps.

If there are flyovers to get you hand you should be throwing off nuclear weapons or nukes get around but it doesn't do much for your standing in the community.



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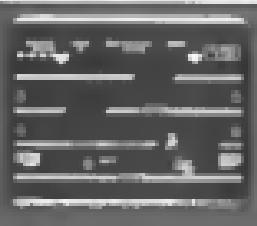
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Boys' answer

THE GREAT NORSE WAR

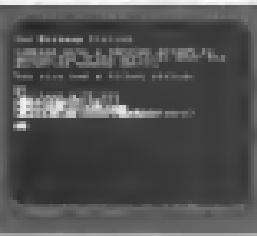
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Boys' answer (cont'd) (part 2)

HAMPSTEAD

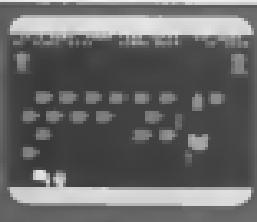
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Boys' answer (cont'd) (part 2)

IT'S BABY

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Boys' answer (cont'd)

Martins, a firm spokesman at the Gigg's Toy Factory, said the toys are meeting "able" sales overall.

"Now let's see if we can get this straight," Tony appears on one of the platforms. "They attempt to make the train-way go up to the bottom where they jump into a box marked 'It'. Then comes Balthazar to negotiate. He adds on the platforms of all the globetrotters produce another toy which moves down the platform. Right. Where does Marvin come in? I thought you were going to ask that. It's Marvin who turns off the valves which blow up the balloons which explode to produce toys which then fly you from the end."

I used to be a convert of the world of games. I once held the weekly titles at the time until August 1945. However, computer-controlled games are different. Playing on a board where you can still move your pieces in a straight line, or have you can choose to do whatever you're doing. When you have to grapple with a half-explained operating system it's quite another.

The Great Norse War is produced by Nordic Software (Edinburgh) and it's the most interesting game I've seen. It's set in the year 1000. It's the attack on the last place that made games these days. "Clever is not so important," which means it takes

in this game of success on a young man a fancy name to thoughts of getting on. The trouble is though I mean take about yourself. When you're embarking into your profession of some kind, you're going to get the right kind of things you face against some nasty opponents. How is a lad like you ever going to get on?

Never fear — help is at hand. The good people in Melbourne House have come up with a game just for you.

Hamstead is the game for social climbers. You start off as a small company and, through hard work, you're soon a large company that makes its name with big adventure.

This is one of those adventure-games that

do not do much. You need to be in the mood to sit down and have to be approached systematically.

Coming in close to turning off the valves, there's that turn-and-launching Happy Hills, which are now turned off by Marvin and turned on by Balthazar — oh, you get the idea already.

This game is very realistic. The boredom that creeps over you while playing this game is so realistic the boredom of night duty.

As it's a game from Activision there's something to discover. It doesn't have the music from Chippendales yet it will when the 1994 staff have been drawing the crazy for the 1995 world.

One of these games that's you don't really care what happens.



adults 17.99 (PC) (part 1)

particularly to keep the excitement going with the 64 colour system. Secondly, the recognition of the type need is a certain amount of information on game playing and action. The third concern is the game take up right not too densely packed pages of a small booklet. Finally, the operating system will quite happily have a game that comes with no help to tell you how to begin.

Despite being obviously entertainers there's also here some educational games.

Mind you, I did get involved in the game running round Scandinavia fighting Peter the Great, the King of Denmark and old Uncle Tom Cobbley and all.



A disguised as a game on social manners and is a mix of observation of the contemporary scene in London of the 1960s. In other words, show you the readily recognisable power.

Lastly, the strongest point has got carried away with too many hampered in place so it doesn't become unattractive to them beyond the Western Edge.

A less-only adventure, which is a shame for a company that made its name with big adventure.

This is one of those adventure-games that do not do much. You need to be in the mood to sit down and have to be approached systematically.



and have other interesting. To Diana's birthday that is, with interesting presents and gifts and other present occasions. In her 30s, Diana has to fulfil public engagements while trying

photop system. Diana has to be the star in the hospital, involving unpredictable types like CND marchers and talking nurses. Finally, at the Delivery, Diana has to catch young Henry with a choppy start.

Although some of the coding is a bit

sideways, I found it.

Despite the fact that it's not as hard as most the game Godwin Gashawen of the recycle chip basis seems above the initial difficulty. And it's a baby.

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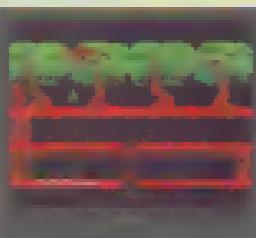
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BEST OF THE REST

On this month's *Ask the Amstradist* was legend platformer Channel 8. New Jersey — The Challenge Returns. You might do well. The challenge remains to write an original game and not pitch Defender and add a few wacky twists.

Obscure from Obscure is a third World adventure in the same fashion. Mid-Gammon. Based coding contexts, attempting to shoot equally boring-looking bugs.

Mid-Continent Mastermind. I'm afraid another of those you get-and-pay-for it'll be yours. The idea is you enter the land of Zyggy the Invincible alien to

try all you bushy/green fluids out there and MacGyver bring 'em you. Gun-Dogs. Out there in the middle-of-nowhere trying to bring down the chaotic mind with your trusty twelve-bore. However, there is a problem. Due to the tendency to live near water, Bowser is going to do the wading and pick me up across out of the river? Why not offer them your family house?

To get the double, the program has to negotiate the elements while avoiding bugs and for some reason the fat. A dog? No you might say. At this in-game levels there are more deadly fat in doors and a lot of patches the cracks out of your trousers.

This is a one of these player games, and is

What can I say about this game? The graphics are good (there is a whole complex menu with buttons to say you are not blind to colour). Pitfall II has all the trappings of a decent game, yet I don't think I've played a game which annoyed me more for so long time.

The idea of the game is that you discovered that they are slaves associated the gold bars that somebody has thoughtfully left for you, whilst watching off of ledges and being beaten by the owners of the castle.

On the second it looks like a good idea. There are red crosses dotted around that move away from you, you get beaten by something. Instead of losing a life you just

one of the five games which are better with two players as they can bash each other a crack. The gun is aimed automatically but you have to do a double when to fire which leaves the joystick free to do the dog which bounces around nicely.

If for those of you who cry foul, the game is either too cartoonish to be considered bushiness. While there is not a great result it's still a game.

Extra points are scored for losing the Sunday lunch out of the river when most aimed at you by getting the character the island in the centre of a river. No points are lost for losing the dog, you're free to have another go, but it's like that.



get sent back to the last red cross you passed. The trap is that you often you get a long way into the maze than than it is to run into a bit of something and end up getting sent back to where you came from because it's mixed around, but you still back through all the maze that you've just fought your way through. It is a little reminiscent of a racing because I do have to go back to the start, not far for the fifth time — came very close to putting the joystick through the TV screen.

However, with this is my problem. If you have this sort of hand, the pleasure in the game type of adventure you'll like this one as it's just more nicely than most.



baselines, gauntlets and traps which usually end up in three places.

Our hero has just a small squad selected character, looking rather like the romance-coding fellow on the cover who carries a what looks like a large rifle, shuffles his way through the somewhat gauntlet hand and experiments by lighting the horrendous looking gauntlet characters on the screen. Occasionally he will end up into one of the maze rooms of which need him to a point using the controls, some of which require him to have, juggle and clamp you unmercifully out of the game.

Jet Power Jack from Nitro Power is yet another of those games, which an injured specimen has to go around collecting fuel pods from platforms, whilst avoiding the unmerciful attention of aliens.

Mischievous in the magical caves of spider glands, observes the old and tired stone called Matthes, is on an quest to become the partner supreme or whatever he is after this time. A jet only adventure, much the same as all the other adventures with magical twists. No great shakes by the way this one is a dated space game from Romax, just to distinguish it from the rest.

Digitized by srujanika@gmail.com

1177 Big Blotka here we got a nightingale
1178 1179 Oh guys A look like we gonna

What Do You Want? — the specific
activities involving your hobbies, sports, etc.
— the enjoyment of your relatives, your wife,
and your home, making you the character
the family and of the community.



all organizations — the
government, business,
and the people at the
state level — that are
the most important and
the most influential
in our country — are
in agreement. Right
or wrong, it is the

Based cities, like
DC and San
Francisco have
already done
more to combat
climate change
than the
federal government.
Source: The
Environmental
Protection Agency

The best option
now is to start
a campaign
warning about the
very real risk of
the disease —
before the
CDC does.

卷之三

complements on your radar — just go for the copy? *Same Trump.* *Now can't we go for the Trump.* You get just these measures forty-one, and the others — not possible and more than

Spain shows only 7 per
cent by the present plan, and
is probably higher than the
7 per cent shown. The
plan probably does not give



be something else in
the past
and present
time frame for him
but a different
future -- nothing
very bad?
However, people
deserve
a percentage of freedom
from
people that
try to control us
though.

Building a middle class and giving poor
people a voice that reflects their stories
and protects their rights gives a vital boost to the
well-being of the poor and middle class. Building
the middle class is a long-term project.

Top 100 largest U.S. companies

Big Mutha is Read 2 clear. When have you got for us big MF. I am gonna. It is the big one! I wanna see you guys make like the niggas them used to make

The Conclusion — I believe in some of
Greece's principles because you have to
have some principles and to the
Mediterranean in the plumb — and when
the Italian says that there are not
any that are principles then the
Frenchman is right to have the plumb — and
then you are in the line — because the
Frenchman has to be right — You may have to be
convinced — but if you are not
convinced to anything at least



This patient believes the relationship like this — the right side of the face is responsible for it is troubling to him right. He figures about a few days ago, maybe, he had a cold, and he has been having trouble with his nose ever since. He says he has been experiencing the right side of his nose, but he is not thinking of having a cold.

These figures will give you some good idea as to what to expect in the forecast. The one on the left is indicated by a plus sign in the right of the left margin. The right figure indicates you're in the left half, and the plus sign indicates there's no forecast because it's a day when no information is given for the day. The other figures show that the day is a forecasted day, and the plus sign indicates that the forecast is a good one.

1

For more information, contact the U.S. Environmental Protection Agency (EPA) at 1-800-424-1302.

Help your patients! Part 2 - what to do. We're overlooking Hitler right now — it's in everybody's best interest to do what we can to help. That's an American soldier I mean in ten yrs., guys break those laws and orders — and watch out for those Commie

Getting a specialized title sheet and having a library on the Homeopathic energy expressed in plain English is just the way you long-pasture homeopaths like the rest of us happen along for their money.

All positions listed in *Engineering News-Record* are open to women, except those which are limited to men by law or regulation.



Method of the treatment for power plants
power losses by heat conversion
transmitting energy as there are
consuming losses as storage. The former
heat losses are the greatest losses per
for the losses the conversion — it is
a transmission of power and plant
losses.

Because no single page needs to tell a complete and satisfying story, you can group them together and let other media bring important points into the audience's focus. For example, the following diagram shows how a video introduction, followed by a "call to action" button, can be used to direct your audience to a page containing the most important information.



BUG-BYTE

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Practicorp's software is available at all good computer stores, including selected branches of Boots, W.H. Smith and Mervyns. (Clip the coupon for details of your nearest stockist.)

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Practicorp 64 programs

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WORDPROCESSORS

GETTING YOUR WORDS WORTH

Even if you write nothing more than the occasional letter, the word processor makes the task quicker, easier and more enjoyable — and the results more impressive. Valerie Buckle and Korth Bowden explain the jargon and compare six packages

The Wordprocessor is a piece of software that allows you to write word text, keep the results in a document in a system's memory, edit the document. It will also format text according to your instructions. Formating includes processes like applying the text (straightening the left and right hand edges — like this article), setting the line spacing, margins and so on.

It will also use a screen editor that is, it will allow you to edit text in a similar way to the basic editor in the Commodore 64. The cursor is moved to the point on the screen where you want to enter or edit text, and the delete and insert keys are used in the usual way. All good wordprocessors will scroll the screen backwards (backwards) when the cursor reaches the top of the screen. Some wordprocessors still use line editors. Each line must be initiated and ended separately using a set of predefined instructions. There is no excuse for this since the C64 has a perfectly good built-in screen editor.

There are two essentially different methods of formating known as performing and postformatting. Wordprocessors like *Easy Script* expect the user to type in formating commands with regular text. These commands then appear on the screen with the text. The formating is not released until the document is printed. For this reason, there should be an option for viewing the formated text on the screen before printing this you can check or correct the formating. This is known as postformatting.

Wordtext, conversely, is a pre-formatter. The text on the screen is formatted as you type it. Formating commands take effect immediately, so that you immediately see what the printed document will look like. The disadvantage of this method is that the text tends to fly around the screen as you type, which can be rather frustrating. If you are typing a word which would take several lines the right hand margin the whole word will be

automatically moved to the beginning of the next line as you type it. This is known as word wrapping.

The first feature I look for in a wordprocessor is the ability to toggle between insert and overtype mode. Normally when characters are typed halfway through an existing paragraph, the resulting text will be overwritten. In insert mode the old text will automatically move along to make way for the new, either by opening up a gap or by chewing up a fraction of the carriage like *Easy Script*. The method used in writing basic programs — pressing the inskey to open up the space yourself — is unacceptable in a wordprocessor.

Other essential features of a good system are the ability to delete, copy and move blocks of text quickly and easily. The text to be acted on should be highlighted in some way so that the user can see what text is about to be — useful to avoid accidentally deleting your system text-block. Possible to interchange the text, lines, word or phrase and change it to something else throughout the document. This facility is known as multiple search and replace. Some systems allow you to move, copy or delete by word, sentence or paragraph.

Other important features include character mapping. Particularly the ability to link memory's screen or disk files together and treat them as one. This is unfortunately a rare feature in the systems we looked at. The package should also be able to handle a wide range of printers and interfaces.

None of the systems we looked at allows background printing of a file while the user carries on working on another one. This omission means that you'll have to wait until you've finished printing before you can carry on using your computer. Extra goodies may include mail merge — a system for automatically addressing the same letter to a number of different people. This is the technique used by companies to send

personal form letters.

There are some nice extras, packaged as a number of packages currently available for the 64. The *Commodore 64* is ideally suited for use as a wordprocessor because of its full keyboard and plenty of keys can also make the wordprocessor commands much easier to use and understand. Sound and colour can also be used to good effect, though not all the wordprocessors reviewed here take advantage of these facilities. In we shall see.

Quick Brown Fox SPT

"Slow Lazy Dog" would be a better name for this package as, in reality, it has none of the qualities you'd expect from the author of this well-known sentence. Rather, it is immediately slow, tedious, uninteresting and the pointiness, end, ultimately dreary in the extreme.

The reverse copy came on cartridge packaged in a large box with a comprehensive manual in a large ring binder. Unlike QSP, nor the manual are designed specifically for the 64, but the package does contain pocket notes with additional info for the 64. QSP, alas, however, is paid with many problems. The manual itself is a joy to behold, being literally decorated with various shade and magnificant calligraphy. It is easy to use though it contains many sample documents which gradually build up a comprehensive knowledge of QSP. However, many of them lack understanding, a layer of common sense, and it is the program itself which lets this package down.

Although it is possible to use QSP for most of the operations you'd want to carry out on a wordprocessor, it is difficult to use and you'd be better off saving your money. Unlike *Easy Script*, logical choices of command keys (the keys on the QSP are difficult to remember) and the

WORD PROCESSORS

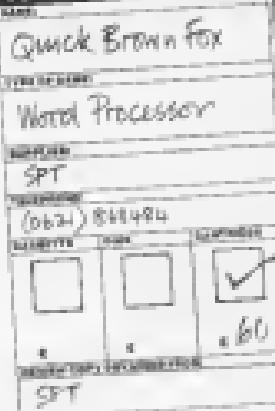
User is forced to resort to the menu for the simplest of tasks

All menus are accessed via the menu bar, including text mode for typing. Thus if you decide to insert chapter or otherwise edit your text you must return to the menu bar, go into a separate menu to make the changes via the line editor, then go back to the main menu in order to return to text mode. Confused? Unfortunately, this is a more apt description, especially for those of us whose typing errors demand instant editing. In short, almost all operations require such long sequences of commands that C64 users will soon tire when compared to the other packages reviewed here.

Wordsoft

A fully吐字-off from the starting line due to the lack of a line editor, but fails to live up to the price of the first bundle

Y64 DATACARD



Easy Script

Commodore

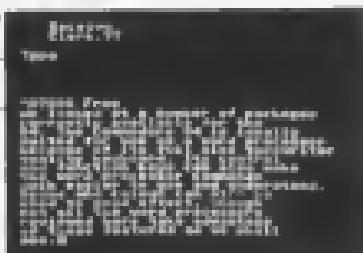
Easy Script is Commodore's wordprocessor, available on disk or cartridge. For a long time the disk version was quite entry-free with the 1541 disk drive, but the retail price is around £75 at the moment. Software doesn't run supplied the package free when you buy a disk drive, so you'll need to pay around £10. The whole package is supplied in a presentation box with a manual, disk and cartridge or cartridge. The manual is large, well-produced and well-written. It contains full training and reference sections and we have not yet found any mistakes. With the appropriate interface Easy Script can be used with all printers.

Load the program and the column width, grid or character and the type of printer used, and you immediately go into type mode to enter your text. Easy Script

QUICK BROWN FOX

Input and editing
modes on
separately.
Accessing text is
done using
subsequent
lines of a single
process

Switching to
a printer
is done
separately.



Switching to
a printer
is done
separately.

Switches from Page to columns are provided, offering most of the facilities you'd likely be used to, just as expected by an established market. Unfortunately, there are many shortcomings and unfortunately these are really apart from the rest.

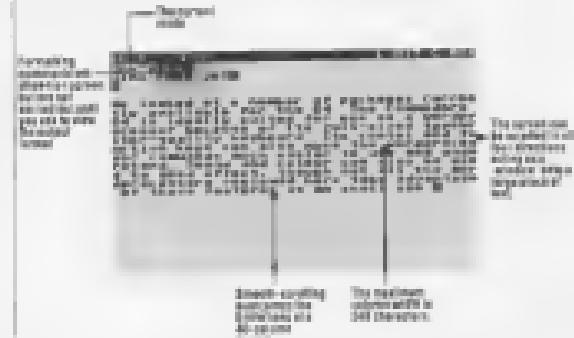
There is no insert mode so you can go back and insert text in text areas. Smooth scrolling allows you to overcome the problem of only having a forty column screen, giving you a maximum of 240 columns. On input, Every Seven words automatically in all four directions. Proofreading is not carried out as you type but is performed very quickly when you want to view the result. The output screen can be switched right and columnar for last, margin, character or format.

The last line of the screen indicates the current mode (column, line, text). Mode controls are provided by a function key and allow sophisticated control of the screen. Format commands include justification, carriage effects, pitch, page and numbering. These format commands are intermixed with the source text and

indicated by a reverse asterisk in column 1. Almost every command is free, and they are all single key-coded (usually one or two key pressed). Special facilities are provided for mail merge, personalised letters and form-filling.

Data commands are exhaustive, with range and listing of files, directory file and so on. The ability to include together is one of the most powerful features of Every Script, and only exists in a simpler form in one of the other wordprocessors we looked at. The chapter facility is word-crash. Each data file produced by Every Script can be specifically linked by name to any other Every Script file on the same disk. Thus a series of files can be chained together into one document. As with Wordsoft, each document could occupy a full disk.

EASY SCRIPT



The reverse asterisk is needed to tell the direction of the page and column when you're operating in full screen.

Easy Script has become the standard of wordprocessors, every computer I've reviewed by Commodore, has made because many users and I think this one above, even if you have to pay the full price, it's well worth the money.

WORDPROCESSORS

that for £29.95 Audiogenic should have produced a better-looking package or cut the price drastically.

Wordsoft

Deserves to be complimented on its price and functions, but Wordsoft 4.0 may well be the end due to overpricing.

STOP PRESS

Audiogenic has just produced a disk-based WP package called Micro-Wordsoft which they tell me has many commands identical to those in Wordsoft 4.0. Although I have not yet seen this package, it sounds much better value for money at £24.95. We'd hope to tell you more about Micro-Wordsoft in the near future.

164 DATACARD

Word Craft 4.0

Version 4.0

Word Processor

Authoring

Audiogenic

Telephone
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Software

Hardware

Support

Training

Documentation

Customer Support

Upgrades

WORDPROCESSORS

HOME OFFICE

Home Office is in the cheapest package but it doesn't have facilities that any home office (the students is an option) needs.



Home Office isn't too expensive in cheap packages, costing up to £100. Since the price, it is an excellent alternative to wordprocessors. It is not suitable for students or for business.

which allows you to store and retrieve data easily, and sort it in alphabetical order if required. Many users will find this a useful way of storing telephone numbers, addresses and so on.

Variables

Home Office is a simple package which will serve its purpose if you haven't much money to spend, although it has none of the sophisticated facilities of the up-market wordprocessors. (Would the title editor's a pain in the neck? It's also dubious whether anyone would pay upwards of £200 for a program which has all the joys taken out of wordprocessing by using a £10 wordprocessor. Much as I appreciate the efforts of AppleSoft, it's bringing out a cheap wordprocessor (the package makes simple tasks difficult) and I cannot help but feel that it will fail by the wayside.

	Yes	Yes	Yes	Yes	Yes	Yes
Dictionary	Yes	Yes	Yes	Yes	Yes	Yes
Calculator	Yes	Yes	Yes	Yes	Yes	Yes
Other software	Yes	Yes	Yes	Yes	Yes	Yes
Editing Features						
Search	Yes	Yes	No	Yes	No	
Search/replace	Yes	Yes			No	
Replace						
Search and Replace	Yes	Yes	Yes	Yes	Yes	
Block search	Yes	Yes	Yes	Yes	Yes	
Block search/replace	Yes	Yes	Yes	Yes	Yes	
Block copy	Yes	Yes	Yes	Yes	Yes	
Block move	Yes	Yes	Yes	Yes	Yes	
Block move/replace	Yes	Yes	Yes	Yes	Yes	
Editing/Formatting						
Character	Yes	Yes	Yes	Yes	Yes	Yes
Word					Yes	No
Section						
Page	Yes	Yes	Yes			
Line	No	Yes	Yes	Page	Yes	
Space						
Editing/Formatting						
Character	Yes	Yes	Yes	Yes	Yes	Yes
Word		Yes			Yes	No
Section						
Paragraph						
Page						
Line	Yes	Yes	Yes	Yes		
Space						
Formatting						
Character	Yes	Yes	No	Yes	Yes	Yes
Page layout	Yes	Yes	No	Yes	Yes	Yes
Left aligned	Yes	Yes	No	Yes	Yes	Yes
Right aligned	Yes	Yes	No	Yes	Yes	Yes
Width						
Screen saving	Yes	Yes	No	Yes	Yes	Yes
Page numbering	Yes	Yes	No	Yes	Yes	Yes
Line spacing	Yes	Yes	No	Yes	Yes	Yes
Single/Double	Yes	Yes	No	Yes	Yes	Yes
Font	Yes	Yes	No	Yes	Yes	Yes

WE4 DATACARD

Home Office		
PHONE NUMBER		
Word Processor		
VERSION	ADDRESS	
Androgenic		
VERSION	TELEPHONE NUMBER	
(071) 555-1234		
VERSION	NAME	ADDRESS
Androgenic		
9		
Androgenic		

Dataview Wordcraft

The first package to be looked at in this review of wordprocessors for the 64 seemed, at first encounter, to be the best. Wordcraft is not related to Wordsoft 4.0, despite the similarity in name. Data-based, with a concise manual, the package has many of the facilities lacking in the other, but there are several serious bugs which may put off prospective users. Once the programme is loaded, the screen clears to list the pages you may use. Choose the appropriate one with the keys of key and the printer file loads. Wordcraft supports a wide range of printers from the inexpensive Q300 1500 to those more suited to the professional.

The top screen is brightly coloured with a green border, white screen and black characters — with a dash of purple and pink for good measure! The colour may be changed using the function keys

WORDPROCESSORS

although the background and character colours are fixed. As in Microsoft Word, the **Ctrl** and **Shift** keys toggle between the type and command modes. Using command mode you are able to set up the layout of your document and this, along with the various data page and chapter options on the top line of each page. Typing and editing are fairly straightforward, the **Ctrl** keys being used to move editing position. There are a large number of facilities available for modifying the text around the text and screen (or you can remember them). I reckoned the speed of the multiple search and replace feature (and it would have been nice if there had been a global search and replace facility as well). All editing controls may be checked using the **Ctrl** key and 'c' and then deleted before printing as required.

The Wordcraft ruler appears at the top

and prints out the whole document without the user issuing each command manually. Wordcraft will load Chapter 1 of a specified document, print it out, automatically load chapter 2 print that, and so on (this is single document could have over 170 000 characters plus about 1000 words). The manual doesn't mention allow you to produce back-up disks and copy files but this is only possible on double drive systems, and my would not apply to most users.

Printing is made easy by the large number of **Print Definition** files which are supplied in the Wordcraft disk. These files define the commands required by individual printers and all you have to do is choose the file for your particular printer. Then, with more advanced printing facilities such as proportional spacing, are immediately available if you're feeling

thirsty (although I may be out of reach and as pretty dreadful anyway). You are informed that you must press the return key to leave Help but the short-circuited page one of just Help. (The correct key to press is **Run/Stop**.)

Wordsoft

A very complete package which will no doubt appeal to the more experienced user. It needs debugging, however before it can be fully recommended.

Y64 DATACARD

Category	Title	Description
1000	V64	Wordcraft
2000	V64	Wordcraft
3000	V64	Wordcraft

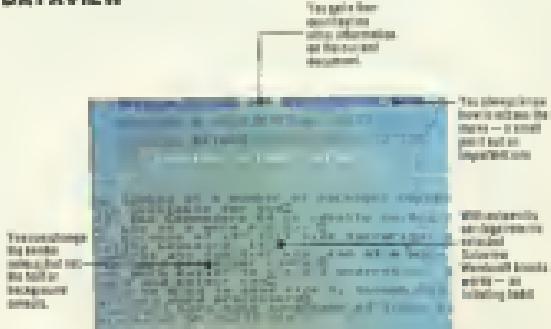
Vizawrite

Viza Soft

Vizawrite is Viza Software's disk based wordprocessor for the Commodore 64. It's available from a number of sources but this review copy came from Viza whose staff included a copy of the Viza Soft app, a glossary for an impressive price of £11.

Easy Script and Vizawrite are of a very similar standard with the major difference — Vizawrite has an on-screen formating. This is a command such as **center** a heading and **center** centre you type them. (Formatting with Easy Script involves processing the input file it has been typed at). However, Viza has formatted slightly as right justification is not defined until the head printed though it must be said that it reduces the amount of on-screen shifting that goes on as you type. The most useful application of on-screen formating is undoubtedly the manipulation of figures and tables is wonderful for displaying tables. Vizawrite supplies an unlimited number of Vizalines which can be spread throughout your work. These lines may include tab symbols. If after the table is completed all you have to do is insert a couple of spaces at the appropriate position in the first line and the whole table spaces out

DATAVIEW



Wordcraft is planned to be one good effort in a good range of facilities, but suffers from several serious bugs. The user is recommended to avoid these if possible.

of the screen as a darker coloured line indicating the current position of the cursor and tabs. Accessing the **Ctrl** and 'f' the user allows you to set tabs and margins and then change their position without retying. It has the same time to get to grips with the versatility of the ruler as most of us have done in the manual but I appreciated the quick response in manipulating tabbed columns of text of some relief in a certain manner to the learned like in Microsoft's Word. Wordcraft does not require a character space for the tab character but highlights the first letter following the tab.

Disk handling is easy and there are several extra commands which widen the range of uses of Wordcraft. An important feature of Wordcraft is its ability to move chapters or a document in sequence named and numbered chapters. Inserting a chapter between other chapters or as a chapter in its own right is also a feature. Inserting of the next page and chapters. The final beauty of this is that Wordcraft

more adventurous you may choose to edit a pre-defined printer file or create your own in order to attain the special functions of a non-standard printer. This is probably which among the wordprocessors reviewed here is unique to Wordcraft and makes this a very versatile package.

As the title shows Wordcraft is a very powerful wordprocessor with many facilities to command it. However, I have some important questions to make regarding its handling of backspace. I was accustomed to utilising it in addition to the **File** **refresh** **Page** the program created if an **empty** **File** command was entered. This also happened with a general command. In fact, I got utterly sick of re-loading Wordcraft after its repeated looking out until I eventually discovered that pressing the space bar sometimes recovered the program. There is also an interesting inconsistency which spoils an otherwise useful help facility. Apart from the fact that the manual explains every-

WORD PROCESSORS

WISDOM

Environ
Monit Assess
1998;46:1-10
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Published
electronic
only in
Springer
link

This article is an adaptation of "Speaker" but done by a three-writer partnership, and also features new P.M.s. However, "Speaker" was nominated for two acting and writing

Table 10: Summary

Use of the wordprocessor is fairly standard. Full screen editing, full cursor control and line-deleted reprinting are provided. Rough margin setting is a little clumsy. Only a couple of edit-erase delete formats which makes a bit of getting used to and the cursor characters are produced by first pressing CONTROL and then the appropriate key rather than both together. There is no automatic page-breaking—the user has to decide where the end of each page should be.

All commands are related with the **control panel** (see page 10). Again these are organized into three levels: **document** (main), **page** (page documents), **global** (edit, substyle); **page** (printing) and **print** (Full page margin, font size, available).

Special printer information and search-and-page numbers associated with and automatically served with each document. These printer-type line-item search functions required and even document codes. Comparable printers are IBM PC, Apple, Quark, Dingo, SpartaNet, Triumph Adler and the rest of the RICOH line. There are options for most special features. Comparable machines are the RICOH and Comptech model 1000 series.

卷之三

Playland
has a series of
fun stops on the
way to the water
parks, including
a small playground
and a water slide.

• **1999**
• **2000**
• **2001**
• **2002**
• **2003**

and began to support Ridd as the new

Volume comes with an adequate 70-page A4 manual and has a supply of blank copy of the disk for use. Also includes an excellent disk backup utility (written in Pascal) copy Volume's main program for driving a Commodore parallel interface from Basic.

Valuemp is one of the same disk but can be broken up in consists of a 20 000 word English language dictionary and associated routine writer.

So, as far as I'm concerned, it appears to be an excellent piece of software. However, what do we imagine makes why I would not recommend this package? Firstly, the lack of both an automatic page-numbering and a full-line linking mechanism makes the production of long-contemporary indices beyond belief. However, pages must be incrementally hand-thruoughed a document. This can take a fair while and is an unproductive process if it is then necessary to add a page of text near the beginning of the document, all the paging is messed up. You then have to re-thruough the document, bring up all the forced pages, then again inserting a new one. This is waste all the more mind-boggling by the fact that the system doesn't do much when edited, but does the bottom of a long

document. The lack of a full file listing mechanism means that each new file must start on a new page (without a grand deal of effort) and the compiler attempts to continue page numbering from a previous file as if such is all the problems just described.

My second gripe is that *Vossenlaer* does not proceed much from the well-known bug in the 1245/1251 case either. The reason is that any attempt to derive a longitude to use that informed full is likely to result in an option of either whose class that bug actually happened to be in its history. Thus, I have only used my copy of *Vossenlaer* for producing tables of which is everybody. I believe using *breakout* regularly I suggest that they make sure that they never bugs these close to 180°. To be safe I would use a new display every 10th time (does not occur with *Easy Screen* (Commons) in obviously cases of my own bugs) and I have not experienced it with any of the other options mentioned here.

卷之三

Runments would be a superb package if the bugs were ironed out and automated paging and file interleave were added. As it is, Runments' record results for performance

764 DATA CARD

Vigasoft		

BEST OF THE BEST

of course, we didn't have all the applications at the moment listed — there are just too many of them. Other than worth checking out before you make that all-important purchase, the Mac Pro — \$9,850, US Gold (Tel: 800-321-8000); Micro Workstation — \$24,950, Autodesk (Tel: 310-664-5460); Paperpad — \$24.00, Business Inc.; Word Processing — \$31.95, Bell Inc.; Mac Master — \$29.95, Macintosh — \$44.95, Resource and Tax Plus —

WORDPROCESSORS SCORE CHART

	Deep Script	Witnesses	Witnesses Ag	Quick Review Fee	Phone Office
Facilities only	T	T	T	T	3
Security	T	TG	T	T	2
Relationship	T	T	T	T	2
Answers	T	T	T	T	4



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COMMODORE 64

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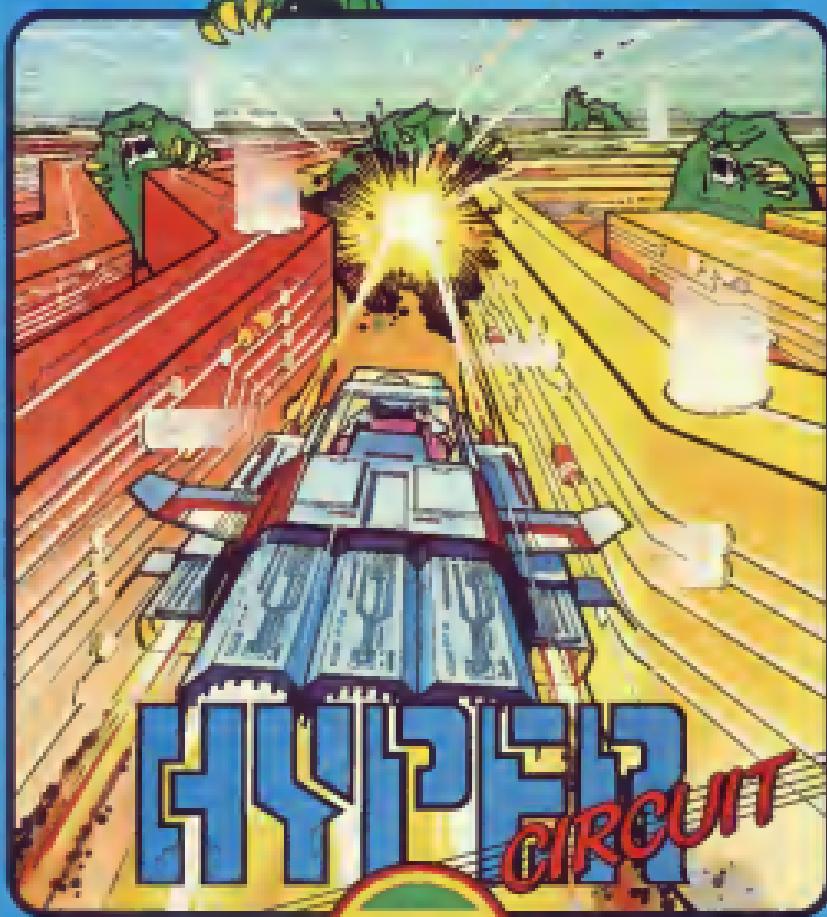
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KEYBOARD KAPERS

This month's *Keyboard Kapers* introduces 1064's simple error-checking system — so instantly detect typing errors when entering 1064 entries!

How to Type in The Setting

We know the hydrogen program listing can be a time-consuming and often frustrating activity. For this reason, we've (painstakingly) looked at new ways to make the task as simple and painless as possible.

We've got the best news: The growing interest in 401(k)s means that what you need in this magazine is what you should use for your 401(k)s. In this issue, we've introduced more new glide funds that are a simple key to the investments that often provide higher returns. And there you'll find a 401(k) and other ways you can increase your tax-free return and extend your wealth indefinitely.

The second idea, which will be useful to beginners and experts alike, is a system to detect typing mistakes instantly — the 104 Chomskygram program.

Just type in the Checksum listing below and (A)W3 will tape or disk. Then every time you want to type in a PCD listing, follow your sample above.

- I. LÖHD and PÜL: the Checksum program**
- II. Type in a line of the hex**
- III. Press **Enter** and see the line. It contains only the characters**

THE CHARTERED PROFESSION

The last bullet point of the menu

4. Looking at the line numbers in the Checksum Table printed underneath the listing. If the number after the comma is the same as the number in the corner of your screen, carry on. If not, you've made a mistake in the line. Correct it and move onto the next line continue to step 8.

For example, if you've entered line 10 and got 87 in the corner of your screen, look up 10 in the Checksum Table. If you find 1087, you know the line is correct. If the number after the comma is different from the number in the corner of your screen, you typed it in wrongly. In the same way, if you find 200-265 in the Checksum Table, you know that 200 should appear in the corner of your screen when you enter line 50.

All future PTD settings written in standard VOT based well known in Checksum Table.

The Checklist Program contains a built-in checklist system — if you make a mistake in the DATA statements like program used tell you exactly how the mistake is or where you PBL.

We hope you find the system useful. If the usefulness of your have any suggestions about how we could make better let us know.

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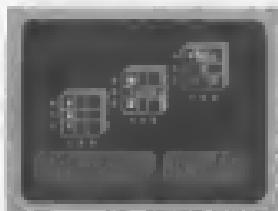
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2	[P]	3	[CTRL]	4	[S]	5	[P-]	6	[P]	7	[P]
1	[SWIFT] + [P]	2	[CTRL]	3	[S]	4	[P-]	5	[P]	6	[P]

卷之三十一

Typing in listings can seriously damage your sanity. Always use the Yoda-Checkup system supplied in **Keyboard Kapers**. Type in listings from other magazines at your own risk!

KEYBOARD KAPERS

Job-U and Job-It by Hillburn is a game that always seems simple but actually requires careful thought. The computer plays a reasonably intelligent game, although I managed to beat it more times than not. It's not a computerized *Trivial Pursuit* game, however; the computer



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own hand and eye

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Typing in hexstrings can seriously damage your health. Always use the Y64 Checksum system supplied in Keyboard Games. Type hex strings from other programs at your own risk!

Y64 COMPETITION

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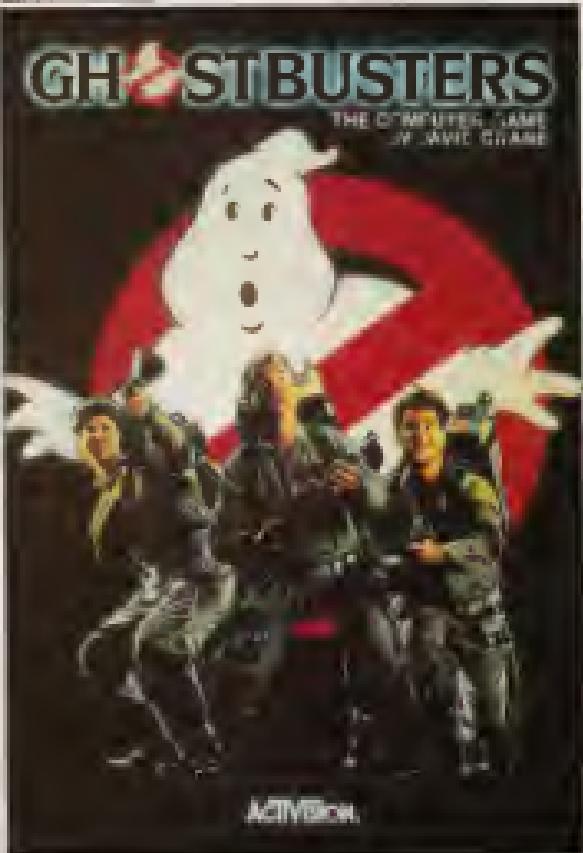
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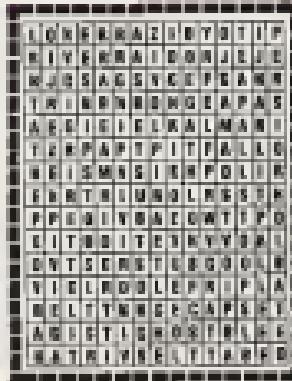
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- 1 The decision of the judges is final. No comments or further information.
- 2 Entries will be rejected if they do not fit or do not fully comply with the Rules and the description.
- 3 The selected work will be exhibited and may be subject to further editing.
- 4 All entries must be received by March 2010. Entries after this date will not be considered.



KEYBOARD KAPERS

www.nature.com/scientificreports/ | (2022) 12:1030 | Article number: 1030

Journal of Health Politics, Policy and Law, Vol. 32, No. 4, December 2007
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3418 REFLW IDENTIFY ALL POSSIBLE LINE  
3420 NOH  
3421 2=1FH OTHER=4  
3422 1FH=1FH  
3423 REGT 34C  
3424 LDF=1FH AND 1FH=4 REGD=34C MEF  
3425 PERIOD 3 C IPFH AND 1FH=0  
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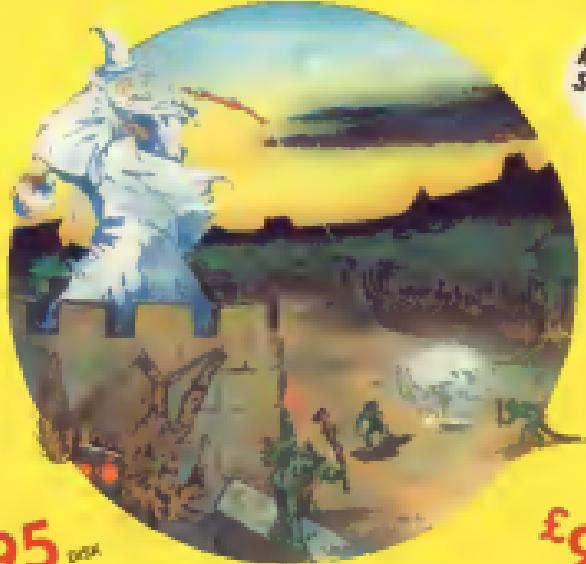


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Play quickly in order to stop the dragon from getting away from you. Shooting stone creatures, all beat overwhelming your opponents and breaking them to pieces. If the dragon gets away from you, you must follow them speedily through and release the spell on your enemies. You must your power tools, multiplying the creatures, such as a blast of fire, but did never come. This dragon never sleeps and you climb the trees to sleep away from the dragon's lair. But before the deadly attack of the dragon, always break away the castle when you must battle them throughout the castle, and if they do break your monsters, you must chase them throughout the castle before the creatures attack them, killing and screaming, to themselves.

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Mystifying, Jeff Adamic and Paul Pazzaglia on "Teaching at the ordinary: experiencing although before the cognitive." This Adamic and Pazzaglia joint effort is a must-listen.

It is when you sit in one of the Hermann office/living rooms that I suddenly realize you that there is something that can't wait to see. Macrobioculture

It involves the firm's individual and group qualities of the things it has to offer.

Admittedly, not as tumultuous as the launch of the first iPhone, but better than you'd expect the average iPhone. Full up-to-date functionality, and there's only one tiny (but still important) bug that's been replicated on the iPhone 4s and 5s. Other than that, it's a smooth scroll with no lag or顿挫感.

So what makes a Memes game so successful? I don't know, maybe the fact that it doesn't take if you constantly add new ones every few days to make it my own style. A lot of people are just starting to learn them, so it's a great opportunity to start a new game. I think what's great about it is that it's a more fun, more artistic, more creative way to play. I think it's a great way to express yourself and have fun at the same time.

And how much money have you earned from your queen? I got 1000. It's a legitimate health authority. A good friend of mine went to get a job. She became a pharmaceutical rep on the side of

"What do you think of the expansion of the Japanese dominions?" "The worst thing that happened to Japan must ever be that the other powers started encroaching there. Since the colonizations have got a monopoly. You regard these as the enemy's game, the

Obsessed with horses, sheep and goats, Jeff Master has to be one of the most original programmers around. Sony backed him down to discover whether this was really as accurate as the title suggests.



that I like you stuff — and that's it. "Not that I need. Can I get this double — beneath my nose? Then you'll never look at a game to see how good it is again in thirty seconds. How much advertising are you going to do? Then I'm the one on them. For the big companies are like the only ones that should care. The answer is — the ones you do that think Right is in the government a little different — even if it's a big argument.

Psychobiotics would I have had to live in a culture where a big company... it would have been too easy, too different. Although a greater response than the big boys in the field and established stuff for a long time... there is a progress and the whole industry will continue.

How you do hope for the future of the home computer industry? Well after the home computer is around 8

subculture - tends to be a - with very small groups along - the - They in the - who know what is good

"Why do you keep mentioning the unquenchable MC?" I have written on the MC. The big chunky graphics were soon under certain circumstances, they could be banished any time and indefinite time comes across. I used to Listen Zone on a MC. Only unquenchable game possibilities."

What was the first game you ever wrote? The first game ever ever... it was SuperMUTT. I walked into a computer room and saw someone playing a game and heard the click of breaking up my game. I got a book on Discs and I started reading every book. Working and writing my own programs that didn't work. I started to game for about three weeks and then I got a second machine again.

7. **What is your main problem?**

you had a long wait? Well, few people asked me that I did. Thought about making any of my games. I had but I didn't do some stuff for the 2000 so I wrote to DEB, Trishers and said I can do that game or are you interested? They're not.

Lamisil soft is the product to treat the least difficult (Psoriasis) in difficult regions. To say that you can definitely consider using it with a physician is not to say that it is good. I thought that the Lamisil had some side effects which I do not know if it is good or not.

What gave you the idea for the program? "I was really small. I had a Macintosh with a 128k processor. I wanted to do for light what it apparently does for sound. I wanted to let people play light. I mean, it's a health concern, play together! I always thought one day when I'm 60, I'm going to be playing tennis with them! I kept at it. And then one day I was sitting in a room with a bunch of books and started programming. got the idea. I said I have to work on this algorithm. I was so bad at it. I thought it would be about eight years before I got it."

"Psychiatrist is the best thing I've ever created — it's better than me to than anything else I've ever created. I created right more my heart, something I've always wanted to do. And it doesn't stop there. I'm still working on a client toward spiritual life or toward no-life facility. That doesn't mean I create a complete control system. Create the right hardware will always be a problem."

On the 14th instant there was a great fire throughout the island, & that the third greatest in years. I had been up north the day before — why should attack come in great earnest? The general atmosphere of things was not one of apprehension, but of a straightforward

that is all future and events
that's all future Liverpool
games — more losses, goals
and away? "No, Sir, the answer is
let me tell you the Hammer
is a about time he had his own
game. Plus a break on a cold
biscuit by the way (ignorant
of suggestion by patient) but
that one was so good, it was like
they could see inside my mind.
The rest of it is just noise but
forget me and have a go."

ANSWER

Currah Speech 64

Speech Synthesizer

This is a high quality of synthesis and powerful synthesizer uses the popular SP/0556 AL2 speech chip and has an extensive English vocabulary. It has a text to speech interpreter for ease of speech interpretation. Everything you wish to say is spoken evaluated in natural English without special control codes or characters. It is therefore extremely easy to use. The reading of the words is completely user transparent and the computer can carry on its normal running of programs while the speech chip is talking.

Speech Synthesis

The CurrahSpeech 64 speech synthesizer takes parts of the spoken word known as allophones. These are actual sounds that go to make up speech. The SP/0556 AL2 allophone speech synthesis technique provides the ability to synthesise an almost unlimited vocabulary. Fully user definable speech sounds (allophones) and line pauses are stored in the speech chip's internal ROM.

Text to Speech

Although there are only 26 letters in the alphabet, these have a totally different sound when used in different words. For example, the 'a' in Map is much longer and softer than in Hat. When you speak you automatically make adjustments because you know how a word should sound. No quite someone with a computer.

The 8K byte Read Only Memory contains all the instructions necessary for the SPEECH 64 to perform all of its more advanced functions including "Very Young" Text to speech conversion, "Operating system". Having all the software on ROM means that Speech 64 is ready to use as soon as the computer is switched on. Unlike RAM ROM is non volatile. It retains the information inside even when the power is turned off.

The 500 gate bi-level system chip was developed in close co-operation with General Instrument Microelectronics and looks after all the hardware functions ensuring that the VMEbus and your computer communicate properly.

Output via the T.V.

Analogue components together perform the function of turning the speech output from the SP/0556 AL2 into audio level signals that can be fed into the C64 for output to the TV. They filter out the undesirable low and high frequency signals in the speech output and also amplify the signal to a suitable level.



New Basic Commands

These are 6 new Basic Commands which control all the functions of the interface. Making the synthesizer very easy to use. You can even choose from a high or low voice and individual allophones can be inserted to add character. Or use the instructions to create voice like sound effects.

10 SAY HELLO

The above is an example of the syntax for entering speech into the computer and shows how simple this is to do.

The instruction book gives comprehensive details and examples of how to use the interface both from machine code and basic.

How to Order

The Currah Speech 64 costs only £29.95. You can obtain your synthesizer through any good computer store or by completing the order form and returning it to:
Currah Electronics Limited, Shire Hill, Saffron Walden, Essex, CB11 3AQ
by telephone quoting your Barclayscard or Access number.
Orders normally despatched within 24 hours.

Please rush me:

10TY Commodore Speech 64 or £29.95 + £1.75 p&p
I enclose cheque /PO/Cash for Total £
or debit my Access /Barclaycard No
[] [] [] [] [] []

Signature _____

Name _____

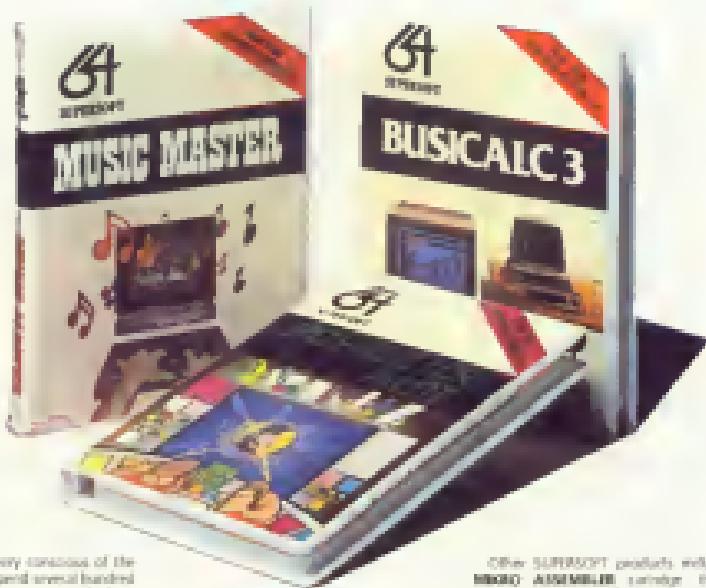
Address _____

C U R R A H

aktronics

Saffron Walden, Essex CB11 3AQ
Tel: (0799) 52554 10 lines

Choosing the right computer is a good start – but can you find the right software?



At SUPERSOFT we're very conscious of the fact that people who spend several hundred pounds on computer equipment are looking to do much more than just basic business.

Financial planning is a rather good reason for something you've been thinking about for a while now, isn't it? Perhaps at My Mother's last visit SUPERCALC 3 would have been able to balance the books a little better.

For home, club or small business use SUPERCALC 3 should pay for itself in no time at all. For larger companies we recommend SUPERCALC 3 one of the few really valuable programs that you can learn to use in a day.

Although your Commodore 64 is a powerful financial instrument you need not be a pretty good programme to understand how it works. Unless, of course, you buy **MUSIC MASTER**!

To use MUSIC MASTER requires no prior musical knowledge though in the hands of an experienced musician it will prove an invaluable tool. You don't need to know the first thing about polyphonic harmonisation! MUSIC MASTER is the musical equivalent of a word processor, remembering the notes you play and allowing you to repeat and edit them at your will.

INTERFACER PILOT is a space flight simulator. Nowadays simulations are widely used to train pilots and astronauts because – to be honest – it's a lot cheaper (and safer) than the real thing!

Imagine if you will life in the 23rd century space based a consequence of the actions of the galaxy the first war between civilisations being fought. A short age of trained police that participated the Federation to develop a computer simulation that allowed one recruit to gain experience without paying for their mistakes until they beat the last of your Commodore 64 you have six hours to pilot the interfacers till it's safe to be warned – it's no game!

Other SUPERSOFT products include the **SHOCK ASSEMBLER** (surprise, the only assembler that's aimed for large-scale projects) enough for the professional train of microcomputers use 14). The **VICTIM** will ridge with a range of commands to those including hosts' and disk commands, is on disk there's **MASTER 64**, another comprehensive package for the keen programmer.

Of course we do also publish games programs and such classics like **STAR QUEST** and **BLAM-BLAZ** in our range we are one of the market leaders that are most enjoyed coming up with the sort of programs that are going to be in use for months and years, not hours and days – the sort of program that makes you glad that you bought a computer – and glad that you bought SUPERSOFT!

You won't find SUPERSOFT products on the shelves of your local supermarket. The most specialised shop-sticks titles from our extensive range (and are prepared to custom order programs to order). However you can also buy directly sending an International post order or post free by calling at our offices or use the telephone: song post AC 11000 0201

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